# PATENT COOPERATION TREATY

# **PCT**

# TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	nt's or agent's file reference 2219PCT	FOR FURTHER ACTIO	N S	See Form PCT/IPEA/416					
Internation	onal application No.	International filing date (da	y/month/year) I	Priority date (day/month/year)					
PCT	/EP2004/050648	29.04.2004		14.10.2003					
International Patent Classification (IPC) or national classification and IPC									
B41F13/00									
Applicant KOENIG & BAUER AKTIENGESELLSCHAFT									
1.	1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.								
2.	This REPORT consists of a total of	6	_ sheets, including t	his cover sheet.					
3.	This report is also accompanied by A	ANNEXES, comprising:							
	a. (sent to the applicant and	l to the International Bureau)	a total of 7	sheets, as follows:					
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.								
		Bureau only) a total of (indicate)	ate type and number o	of electronic carrier(s))					
	<u> </u>	`							
	, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4.	This report contains indications relat	ing to the following items:							
	Box No. I Basis of the	e report							
	Box No. II Priority								
	Box No. III Non-establ	ishment of opinion with regar	d to novelty, inventive	e step and industrial applicability					
	Box No. IV Lack of uni	ity of invention							
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
	Box No. VI Certain doc	cuments cited							
	Box No. VII Certain defects in the international application								
	Box No. VIII Certain observations on the international application								
Date of submission of the demand			of completion of this	report					
Name and mailing address of the IPEA/EP			orized officer						
Faccimil	a Na	Tolon	hana Na						

## International application No.

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

PCT/EP2004/050648

Box	k No. I	I Basis of the report						
1.		th regard to the language, this report is based on the internation icated under this item.	al application in the language in	which it was filed, unless otherwise				
		This report is based on translations from the original language which is the language of a translation furnished for the purposition international search (Rule 12.3 and 23.1(b))  publication of the international application (Rule 12.4)		,				
		international preliminary examination (Rule 55.2 and/o	or 55.3)					
2.	rece	th regard to the <b>elements</b> of the international application, this reviving Office in response to an invitation under Article 14 are report):  the international application as originally filed/furnished the description:						
		pages3-19		as originally filed/furnished 11.09.2004 with letter				
		pages*1,2	received by this Authority on					
		pages*	received by this Authority on					
	$\boxtimes$	the claims:						
		nos.		as originally filed/furnished				
		nos.*	as amended (together	r with any statement) under Article 19				
		nos.* 1–28		11.09.2004 with letter				
		nos.*						
	$\boxtimes$	the drawings:						
				as originally filed/furnished				
		sheets*	•					
	$\Box$	sheets*						
	님	a sequence listing and/or any related table(s) – see Suppleme	ntal Box Relating to Sequence L	isting.				
3.	Ш	The amendments have resulted in the cancellation of:						
		the description, pages						
		the claims, nos.	the claims, nos.					
		the drawings, sheets/figs	the drawings, sheets/figs					
		the sequence listing (specify):						
		any table(s) related to sequence listing (specify):						
4.		This report has been established as if (some of) the amendathey have been considered to go beyond the disclosure as file						
		the description, pages						
		the claims, nos.						
		the drawings, sheets/figs						
		the sequence listing (specify):						
		any table(s) related to sequence listing (specify):						
*	If ite	em 4 applies, some or all of those sheets may be marked "supe	rseded."					

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/050648

Box			rticle 35(2) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-28	YES
		Claims		_ NO
	Inventive step (IS)	Claims	1-28	YES
		Claims		_ NO
	Industrial applicability (IA)	Claims	1-28	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

- D1: EP-A-1 149 694 (MIYAKOSHI PRINTING MACH) 31 October 2001 (2001-10-31)
- D2: US-A-5 060 569 (GLADOW DEAN E) 29 October 1991 (1991-10-29).

#### 1 Independent claim 1

- 1.1 Document D2, which is considered the closest prior art, discloses (the references between parentheses relate to D2), a printing unit (24), wherein at least one cylinder (182) or roll is mounted in a frame part (50) which can be displaced on rollers (204, 210).
- 1.2 The problem to be solved is that of reducing the load on the movable roller-mounted frame part in the operating mode and to make track guidance easier and more economical.
- 1.3 The solution proposed in the present application essentially consists in mounting adjustable

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

rollers on the frame part, which in the operational state are pulled in, in combination with track guidance devices which are securely fastened to the other frame part (see the characterizing part of claim 1). This solution is not disclosed or suggested in the prior art.

Consequently, the present independent claim 1 involves an inventive step within the meaning of PCT Article 33(3).

#### 2 Independent claim 2

- 2.1 Document D2, which is considered the closest prior art, discloses (the references between parentheses relate to D2), a printing unit (24), wherein at least one cylinder (182) or a roll is mounted in a frame part (50) which can be displaced by rollers (204, 210), and these rollers (204, 210) move the frame part along tracks (112, 114).
- 2.2 The problem to be solved is that of reducing the load on the movable frame part on rollers in the operational state.
- 2.3 The solution suggested in the present application essentially consists in mounting adjustable rollers on the frame part, wherein in the operational state the rollers are retracted and the tracks partly carry the movable frame part (see the characterizing part of claim 2). This solution is not part of the prior art. Moreover,

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

the prior art offers nothing to suggest the above solution.

Consequently, the present independent claim 2 would appear to involve an inventive step within the meaning of PCT Article 33(3).

#### 3 Independent claim 23

- 3.1 Document D1, which is considered the closest prior art, discloses (the references between parentheses relate to D1), a printing unit (2a, 2b), wherein at least one cylinder (3a, 3b, 4a, 4b) or a roll are mounted in a frame part (10a) which can be moved relative to a further frame part (1d).
- 3.2 The problem to be solved is that of driving the movable frame part and increasing safety.
- 3.3 The solution suggested in the present application essentially consists in providing the immovable frame part with a self-inhibiting drive which can be disconnected from the rack track, and in providing the movable frame part with a rack track, which increases safety (see the characterizing part of claim 23). This solution is not disclosed or suggested in the prior art.

Consequently, the present independent claim 23 would appear to involve an inventive step within the meaning of PCT Article 33(3).

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

4 Independent claim 28

- 4.1 Document D1 contains all the features of the present independent claim 28. It discloses a method for moving a frame part (50) of a printing unit (24), wherein the frame part (50) is first lifted vertically and then horizontally displaced along tracks (204, 210).
- 4.2 The problem to be solved is that of reducing the load on the mobile roller-mounted frame part.
- 4.3 The proposed solution essentially consists in the fact that the mobile frame part rests directly on the tracks. The prior art offers nothing to suggest permitting the mobile frame part to rest on the tracks.

Therefore, the present independent claim 28 would appear to involve an inventive step within the meaning of PCT Article 33(3).

#### 5. Dependent claims 3 to 22 and 24 to 27

The above claims are dependent on inventive independent claims and therefore likewise involve an inventive step within the meaning of PCT Article 33(3).